|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grading Criteria | 7 | 5 | 3 | 1 | **Self Evaluation** | **Teacher Evaluation** |
| **Chromosome and Gene Involved**  **(x2)** | Complete understanding of the chromosome and gene causing the specific disorder | Substantial understanding of the chromosome and gene involved | Incomplete understanding of the chromosome and gene causing the specific disorder | Misunderstandings about the chromosome and gene involved |  |  |
| **Heredity**  **(x2)** | Complete understanding how the disorder is passed from generation to generation, including accurate identification and explanation of the type of inheritance | Substantial understanding of how the disorder is passed from generation to generation, including accurate identification the type of inheritance | Partial understanding of how the disorder is passed from generation to generation | Misunderstandings of how the disorder is passed from generation to generation |  |  |
| **Probability of Inheritance**  **(x2)** | Accurate; displayed in a percentage or ratio |  |  | Inaccurate; displayed in other formats |  |  |
| **Diagrams**  **(x2)** | Punnett square and pedigree are completely accurate | Punnett square and pedigree are generally accurate | Punnett square or pedigree is inaccurate | Both Punnett square and pedigree include major inaccuracies |  |  |
| **Written Expression** | Report is exceptionally clear and easy to follow; including an organized format, appropriate vocabulary, no usage or mechanical errors | Report is generally clear and able to follow; includes an organized format, mostly appropriate vocabulary, and few usage or mechanical errors | Report lack clarity and is difficult to follow; does not include an organized format, some appropriate vocabulary, and many usage or mechanical errors | Report is unclear and impossible to follow; does not include an organized format, has no appropriate vocabulary, and many usage or mechanical errors |  |  |
| **Totals:** | | | | | **/63** | **/63** |

**What are the Chances? Rubric**